

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States Patent application(s) or PCT international applications designating the United States listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or international application(s) in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

<u>PCT/US97/07294</u>	<u>1-MAY-1997</u>	<u>pending (this application)</u>
(Application Serial No.)	(Filing Date)	(Status: patented/pending/abandoned)

<u>08/802,967</u>	<u>21-FEB-1997</u>	<u>abandoned</u>
(Application Serial No.)	(Filing Date)	(Status: patented/pending/abandoned)

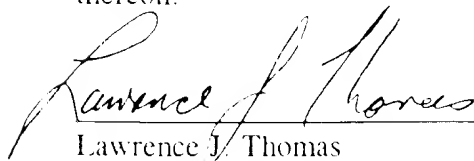
<u>08/640,713</u>	<u>1-MAY-1996</u>	<u>converted to provisional</u>
(Application Serial No.)	(Filing Date)	(Status: patented/pending/abandoned)

I hereby appoint Leon R. Yankwich, Registration No. 30,237, and Kenneth P. Zwicker, Registration No. 43,310, and the firm of Yankwich & Associates, 130 Bishop Allen Drive, Cambridge, MA as my attorneys and agent, with full authority to prosecute this application and to transact all business before the U.S. Patent and Trademark Office connected therewith.

Send all official correspondence to: **Leon R. Yankwich**
Yankwich & Associates
130 Bishop Allen Drive
Cambridge, Massachusetts 02139

Direct telephone calls to: Leon R. Yankwich
telephone: (617) 491-4343
telecopier: (617) 491-8801

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made in the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Title 18, United States Code, §1001 and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.



Lawrence J. Thomas

Residence: Easton, MA

Citizenship: USA

Postal Address: 1 Fox Ridge Rd.

Easton, MA 02375

10/21/98

(date)

ASSIGNMENT

I, LAWRENCE J. THOMAS , residing in Worcester, Massachusetts (US) and having a postal address: P.O. Box 2419, Worcester, Massachusetts 01613 (US), for good and valuable consideration, receipt of which is hereby acknowledged, have assigned, sold and transferred to and do hereby assign, sell and transfer to T CELL SCIENCES, INC., a corporation organized and existing under the laws of the State of Delaware and having an office and a place of business at 119 Fourth Avenue, Needham, Massachusetts 02194 (US), its successors and assigns:

1) the entire right, title and interest in the United States and in all countries throughout the world in and to any and all our inventions and discoveries disclosed in International Application PCT/US97/07294, filed May 1, 1997 and designating AL, AM, AP (KE, LS MW, SD, SZ, UG), AT, AU, AZ, BB, BG, BR, BY, CA, CH and LI, CN, CZ, DE, DK, EA (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), EE, EP (AT, BE, CH/LI, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG), PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ and VN, entitled: "PLASMID-BASED VACCINE FOR TREATING ATHEROSCLEROSIS" {Atty. Docket TCS-414.2 PCT}, including any renewals, revivals, reissues, reexaminations, extensions, continuations and divisions thereof, and any substitute applications therefor;

2) the full and complete right to file patent applications in the name of T CELL SCIENCES, INC., its designee, or in our name at the election of T CELL SCIENCES, INC. or its designee, on the aforesaid inventions, discoveries and applications in all countries of the world;

3) the entire right, title and interest in and to any Letters Patent which may issue thereon in the United States or in any other country of the world and any renewals, revivals, reissues, reexaminations and extensions of the same; and

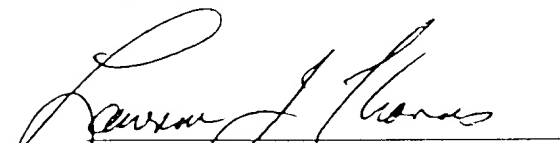
4) the entire right, title and interest in all Convention and Treaty Rights of all kinds thereon, including without limitation all rights of priority in any country of the world, in and to the above inventions, discoveries and applications.

I hereby authorize and request the competent authorities to grant and to issue any and all such Letters Patent in the United States and throughout the world to T CELL SCIENCES, INC. as the assignee of the entire right, title and interest therein, as fully and entirely as the same would have been held and enjoyed by me had this assignment, sale and transfer not been made.

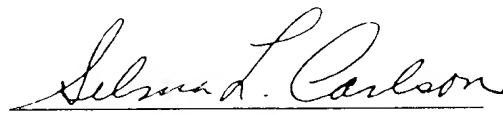
I further agree, at any time, upon the request of T CELL SCIENCES, INC., to execute and to deliver to T CELL SCIENCES, INC. any additional applications for patents for said inventions and discoveries, or any part or parts thereof, and any applications for patents of confirmation, registration and importation based on any Letters Patent issuing on said inventions, discoveries or applications, and divisions, continuations, renewals, revivals, reissues, reexaminations and extensions thereof.

I further agree at any time to execute and to deliver upon request of T CELL SCIENCES, INC. such additional documents, if any, as are necessary or desirable to secure patent protection on said inventions, discoveries and applications throughout all countries of the world, and otherwise to do the necessary to give full effect to and to perfect the rights of T CELL SCIENCES, INC. under this Assignment, including the execution, delivery and procurement of any and all further documents evidencing this assignment, transfer and sale as may be necessary or desirable.

ASSIGNOR:


Lawrence J. Thomas

On this 16th day of OCTOBER, 1997, LAWRENCE J. THOMAS personally appeared before me, a Notary Public in and for the Commonwealth of Massachusetts, who executed the foregoing Assignment and duly acknowledged to me that such Assignment was executed for the uses and purposes therein expressed.


Notary Public

ACKNOWLEDGMENT OF ASSIGNEE:

The undersigned, Una S. Ryan, President and Chief Executive Officer of T Cell Sciences, Inc., hereby acknowledges the foregoing executed Assignment on behalf of T CELL SCIENCES, INC.

T CELL SCIENCES, INC.

10/24/97
date

by: Una S. Ryan
Una S. Ryan
signed at Needham, Massachusetts (US)